

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: don merz <71333.144@compuserve.com>  
Subject: 50L6 on 160 Meters  
Message-ID: <950814145730\_71333.144\_DHQ62-1@CompuServe.COM>

While ruminating on the virtues of the 50L6, don't forget that W2HBE published a REALLY cute 160 meter AM phone transmitter design in Electric Radio only 5 years ago--it;s in volume 18, October 1990. The design uses 2 50L6's and a 12SJ7 in a modulated oscillator circuit. With the M0 and series filaments, the design is transformerless. Very cute!  
Thanks.  
73, Don  
71333.444@compuserve.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Johnson\_Dan@AAC.COM  
Subject: Re: A Truck Full Of Memories  
Message-ID: <9508140900.22640.aa@SMROUTER.AAC.COM>

Content-Type: text/plain; charset=US-ASCII

Larry, your friend Bill picked a fine man as custodian for those radios. Thank you for sharing that rare experience with the rest of us. The image that you conjured of him saving that bug would make a fine and rich symbol for this group. (Any artists out there want to try a captionless drawing for ER in his memory when that time comes?) I think that you should print your BA post and send it to him, "on the request and recommendation of the Boatanchors list". He might not otherwise fully appreciate how much he passed along to you, \*aside\* from the radios.

Respectfully de KC4EWT  
Johnson\_Dan@aac.com

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Neal McEwen <nmcewen@metronet.com>  
Subject: Re: A Truck Full Of Memories  
Message-ID: <199508142336.SAA00188@linux.k5rw.ampr.org>

I had a similar experience several years ago. I was given a few keepsakes from the sea chest of a WWI radioman and post WWI radioman on merchant ships. While the items I obtained are not rare, they are very dear to me. We collect and study what we do because we have a memory of

times past; we also appreciate the times of those that have gone before us.

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: rblank@legend.txdirect.net (Richard A. Blank)  
Subject: Anyone seen the Collins videos?  
Message-ID: <9508142229.AB02198@legend>

I just acquired some KWM2-A's that are in really bad cosmetic condition, but all work to some degree or another and I was wondering if any of the group had looked at the videotapes made for servicing the Collins rigs and if they were worth obtaining....never having gone totally thru a KWM2-A before, it would be nice to have a "guiding hand" along for the ride...

Thanks

Rick Blank, KI5SL  
2223 Blanco Road  
San Antonio, Texas 78212

AMSAT NA 26195  
KI5SL@K3WGF.STX.USA  
rblank@txdirect.net

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: adumas1@ix.netcom.com (Andrew Dumas)  
Subject: BA Wanted/For Sale New Edition  
Message-ID: <199508142323.QAA02301@ix7.ix.netcom.com>

Hello, everybody,

The latest edition of the BA Wanted/For Sale List is available via email.

The new additions are preceded by ^^^.

Get your additions/deletions/corrections to me by the end of the week for inclusion into the next edition.

--

Andrew Dumas  
N1TGC  
adumas1@ix.netcom.com (home)  
adumas@dbh.com (work)

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: don merz <71333.144@compuserve.com>  
Subject: Cleaner Bake Off  
Message-ID: <950814185013\_71333.144\_DHQ71-2@CompuServe.COM>

I have to take some time and compare all the cleaners that have been suggested here.

The candidates seem to be:

Murphy's Household spray  
ScrubnBubbles  
Windex  
GoJo Hand Cleaner

I have used GoJo for years and been well satisfied. No I wonder if I'm missing something. One thing I know about GoJo is that it does no long term damage (or short term of course) since I've had some of these rigs for a while... I wonder what the long term track record is on these other products and if they clean as well...

Thanks.

73, Don  
71333.444@compuserve.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Al Klase <alklase@village.ios.com>  
Subject: Re: Cleaner Bake Off  
Message-ID: <Pine.BSD.3.91.950814162854.24065A-1000000@village.ios.com>

I'd like to cast my vote for GOJO (waterless handcleaner). The H2O based cleaners attack the finish on bakelite parts, knobs and such. That brown stuff coming of in Mr. Clean is not dirt and nicotine, it's dissolved bakelite! GOJO and a soft brush work wonders on almost anything including wooden cabinets.

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>

Subject: Re: Cleaner Bake Off

Message-ID: <Chameleon.950814160923.grant@nq5t.gtetel.com>

On Mon, 14 Aug 1995 15:21:51 -0500 (CDT) Al Klase wrote:

> I'd like to cast my vote for G0J0 (waterless handcleaner). The  
>H2O based cleaners attack the finish on bakelite parts, knobs and such.  
>That brown stuff coming of in Mr. Clean is not dirt and nicotine, it's  
>dissolved bakelite!

This is definitely true. Stuff like Dow Scrubbing you-know-whats, will turn an immediate brown and leave a bakelite knob with a nice flat dull finish.

It DOES get the gunk off, though (as well as the shine). The apparent damage isn't permanent, however. The shine is easily restored by application of a little Novus plastic polish. I did a set of maroon Johnson knobs a while back with this stuff, and they came out with a gorgeous deep gloss -- kind of that new car finish look. Very nice.

Grant/NQ5T

-----  
Name: Grant Youngman

E-mail Primary: gyoungma@gtetel.com

E-mail Secondary: us007699@interramp.com  
-----

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995

From: HAMRLUND@aol.com

Subject: Re: Dave Ishmael's book

Message-ID: <950814155433\_74275517@aol.com>

no e-mail address:

DWI Engineering

p.o. box 3611

costa mesa, ca.

92628-3611

Ph. & fax # 714-979-5858

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995

From: Steve Ellington <n41q@iglou.com>

Subject: Re: Dow cleaner

Message-ID: <Pine.SOL.3.91.950814223711.29976A-100000@iglou.iglou.com>

As I sit here, keyboard in lap, listening to the smooth sound of 40 meter cw coming from the HQ-129-x across the shack and savoring the odor of warm dust being cooked by the hot glass jugs, I remembered a recent unpleasant experience with Dow Bathroom Cleaner.

Someone had just given me a nice looking but dirty Heath monitor scope. Having had no prior problems with Dow, I blasted the scope right in the face. Smiling as I watched the brown scum ooze down onto the work bench, suddenly my smile turned to a frown as the white screen graph dripped down on top the scum. I now had a clean, green screen with no graph. I can remember groping aimlessly at the drippings as if I could somehow stick it all back together but to no avail.

I hadn't learned my lesson because not long after, I shot an HW-16 with those scrubbing bubbles. It made the wrinkle finish look something like broken glass.

I don't think there is any better product to remove smoke scum and knobgroovedust (new word) but please TEST before using. Spray a tad on something you don't care about i.e. the SSB position of your function switch.

73

Steve  
n4lq@iglou.com

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: Dow cleaner  
Message-ID: <Pine.SOL.3.91.950814231010.22285C-100000@clark.net>

On Mon, 14 Aug 1995, Steve Ellington wrote:

> Someone had just given me a nice looking but dirty Heath monitor scope.  
> Having had no prior problems with Dow, I blasted the scope right in the  
> face. Smiling as I watched the brown scum ooze down onto the work bench,  
> suddenly my smile turned to a frown as the white screen graph dripped

> down on top the scum. I now had a clean, green screen with no graph.  
> I can remember groping aimlessly at the drippings as if I could somehow  
> stick it all back together but to no avail.

I've always used dishwashing soap and a soft toothbrush. It takes more elbow-grease, but it's not as likely to make your graph drip. I've used 409 cleaner on painted surfaces and Windex on glass with good success too.

73,  
TOny  
K4KY0

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Andy Wallace <wallace@mc.com>  
Subject: Dow cleaner / bakelite knobs  
Message-ID: <9508150107.AA12160@kali>

Pardon me -- I'm posting before I've emptied my mailbox so maybe this will have been covered.

Were my S-38 knobs shiny before I attacked them with Dow Scrubbing Bubbles Bathroom Cleaner?

They are dull now, but I could swear they looked dull AND grungy before. And the red index marks on the small knobs didn't come off -- wouldn't that have happened if the Dow attacked the plastic?

At any rate...I think my dull CLEAN black knobs look kinda nice!

--Andy  
wallace@mc.com

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: RE: Dow cleaner / bakelite knobs  
Message-ID: <Chameleon.950814221102.gyoungma@gyoungma.gtetel.com>

On Mon, 14 Aug 1995 20:12:17 -0500 (CDT) Andy Wallace wrote:  
>Pardon me -- I'm posting before I've emptied my mailbox so maybe  
>this will have been covered.  
>  
>Were my S-38 knobs shiny before I attacked them with Dow Scrubbing  
>Bubbles Bathroom Cleaner?  
>

>They are dull now, but I could swear they looked dull AND grungy before.  
>And the red index marks on the small knobs didn't come off -- wouldn't  
>that have happened if the Dow attacked the plastic?  
>  
>At any rate...I think my dull CLEAN black knobs look kinda nice!  
>  
>--Andy  
>wallace@mc.com  
>

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: RE: Dow cleaner / bakelite knobs  
Message-ID: <Chameleon.950814221457.gyoungma@gyoungma.gtetel.com>

>  
>At any rate...I think my dull CLEAN black knobs look kinda nice!  
>  
>--Andy  
>wallace@mc.com  
>

Sorry about the other post, guys -- I hit the wrong button .... %-{

If these knobs are fluted, I don't know how well it would work -- getting in all those grooves -- but Novus plastic polish (Antique Electronic Supply) does a great job of restoring the shine to clean but dulled knobs.

Grant/NQ5T

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: Re: Dow cleaner / bakelite knobs  
Message-ID: <Pine.SUN.3.91.950814225049.5471A-100000@crl9.crl.com>

Hi, Andy... well as far as I know, the knobs are plastic, not bakelite. They are fine dull (I don't know if they were shiny new, but the back of the knobs seem to be).. but if you want to make them shiny again, try End Dust.. followed by Johnson's Pledge. It really cleans/shines black wrinkle finish, too, such as found on the "B" series.

Many of the knobs I found had lost the red dot.. if you go to an

art-supply store, you can purchase a tube of oil paint called "Grumbacher Red" (Grumbacher is a popular manufacturer of painting supplies). It seems to be the right color.

Course a tube will fill an awful lot of knob "dots".. hi hi.. I have used the color, mixed with other colors, to repaint the red pointers too.

73 de Bill bilsmith@crl.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Duncan Cadd <dcadd@luc.ac.be>  
Subject: Re: F.J. Camm  
Message-ID: <9508140732.AA28835@alpha.luc.ac.be>

Greetings, Anchorites, from a warm and sunny Diepenbeek in N.E. Belgium!

>  
> >And a Rhumbatron is a Klystron.  
>  
> That is correct. Actually, the reference to it that I found defined a  
> Rhumbatron as a Velocity Modulated Cavity Resonator Valve - F. J. Camm  
> (England's answer to Hugo Gernsback) in "A Beginner's Guide to Radio",  
> 1955).  
>  
>  
> Larry Kenan - K06SM  
>

F.J. Camm was in fact the brother of Sidney Camm, the designer of the Hurricane fighter, of which there were more in the Battle of Britain than Spitfires, shot down more enemy aircraft . . . and now there's only one left flying, so I believe !

Duncan ON9CHU / G0UTY G-QRP 8117

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: "Rhett T. George" <rtg@ee.duke.edu>  
Subject: Fine Keys  
Message-ID: <199508142117.RAA68062@ee.duke.edu>

- Greetings -



The thread on fine keys and the bearings reminds me of carborundum, made up of fine bits of aluminum oxide. Crystalline aluminum oxide colored with neodymium is a ruby, color it with titanium instead and have a sapphire. Adjustments to this chemistry are welcome.

73

Rhett George - KE4HIH

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995

From: SOUNDNMIND@aol.com

Subject: FS tubes

Message-ID: <950814220242\_54694462@aol.com>

I have a few tubes for sale. These are all NOS(new old stock)

sweep tubes....

6LQ6/6JE6 .....\$ 25.ea

6KD6..... 20.

6LF6..... 30.

6JG6..... 20.

6JS6..... 20.

6LX6..... 25.

Transmitter tubes...

813.....\$ 35.

807..... 13.

4X150..... 30.

4CX250B new stock.....\$95.

833A new stock..... 90.

3-500Z.new stock..... 95.

811A new stock..... 20.

I have many other NOS and new stock available please ask.

THE TUBE GUY

Dee, W4PNT (540) 949-8300

Soundnmind@aol.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995

From: Steve Ellington <n41q@iglou.com>

Subject: FS: SP600 JX With Cabinet

Message-ID: <Pine.SOL.3.91.950814121243.18540A-1000000@iglou.iglou.com>

\$475 buys

SP600 JX

Ser# 15499

Very Good Cdx

Front panel has a few minor scratches around knobs.

Knobs are excellent

meter and dial are mint

chassis top and bottom are very clean and unmodified.

Has a bottom plate

No manual

All bands and functions are operational.

Cabinet has a top hinged lid. Has extra few inches of panel space at bottom which is used to house a pair of speakers.

Case is ugly blue. Needs gray paint.

Shipping will be extra cost. Will ship anywhere. Probably will require two sperate boxes.

Steve

n41q@iglou.com

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995

From: ac082@freenet.carleton.ca (Charles Hunter)

Subject: Halli. sw-500

Message-ID: <199508150305.XAA25977@freenet3.carleton.ca>

Came across an interesting Hallicrafters hybrid of sorts today.

It's a model SW-500 with a solid state rectifier and peanut tubes.

Although it's general coverage from .550 - 30mHz, there is no "s" meter but believe it or not there is a standby-rec. switch, BFO control and very tinny audio..

The case is very solidly built and the unit was in almost new condition

for \$25.00

I've never seen one before and I'll have lots of time to study it further as I relocated it from its 2nd hand store shelf to my bench.  
<grin>

73's  
Charlie

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: HAMRLUND@aol.com  
Subject: Hammarlund manuals +  
Message-ID: <950814195705\_74502285@aol.com>

\*\*\*\*\*  
\*\*\*\*\*  
CONTACT: Robert Fowle.....Hamrlund@aol.com  
Ph.517-789-6721.....  
1215 Winifred....Jackson, Mich. 49202-1946  
| |  
---|---|---> the Hammarlund guy  
| |

\*\*\*\*\*  
\*\*\*\*\*  
the following is a list of items for sale  
All pricing includes shipping.....

REVISED: 8-4-95-PM

\*\*\*\*\*

\*\*\*\*\* HAMMARLUND MANUAL SALE \*\*\*\*\*

I have a limited number of new manuals i got when i purchased the inventory of

Wayne Cordell.....

These are unused originals. some may have a fade area on the cover from storage before I got them, yet others look almost as they did 35+ years ago. these are new unused and in unread condition.

Here's whats available:

HQ-100.....\$23.00 ea  
HQ-145-A.....\$23.00 ea  
HXL ONE AMP.....\$23.00 ea

HX 50.....\$23.00 ea  
HX-500.....\$23.00 ea

Get them while they last. I have never made them available in such away  
before. This is a unique oppertunity.....  
SUPPLIES ARE LIMITED.....FIRST COME FIRST SERVE.....

THE FOLLOWING WILL BE 'COPIES'. Prices are shipped.

HAMMARLUND

Comet Pro	2nd Edition	20.00
Comet Pro	manual 3 AVCModel	20.00
Four 20 xmitter & four 11 modulator		20.00
RGB CHC 46140 / CHC 49154 (120X)	20.00	
HQ-100		18.00
HQ-100A		18.00
HQ-105TR / TRS		18.00
HQ-110		18.00
HQ-110A		18.00
HQ-120X		18.00
HQ-129X		18.00
HQ-129X SAMS		12.00
HQ-140X		18.00
HQ-140XA		18.00
HQ-145		18.00
HQ-145A		18.00
HQ-145X		18.00
HQ-150		18.00
HQ-160		18.00
HQ-170		18.00
HQ-170A		20.00
HQ-170A WITH VHF ADDENDA	25.00	
HQ-180		20.00
HQ-180-A 1970 E.A.C. VERSION, 67 pgs	25.00	
HQ-180 SERIES SERVICE MANUAL 80 PGS.	33.00	
HQ-200		18.00
HQ-205		18.00
HQ-215		20.00
HX-50		20.00
HX-50A ADDENDA TO GO W/ HX-50 MAN.	15.00	
HX-500		20.00
HXL ONE AMP	18.00	
HC-10		18.00
SPC-10		18.00
HK-1B		15.00
RDF-10		15.00
SP-200 SERIES FACTORY	18.00	
SP-200 / BC SERIES MILITARY	25.00	

SP-400X		18.00
SP-400X SAMS		12.00
SP-600-JX	ISSUE 2 1951	23.00
SP-600-JX-J	ISSUE 3 1952	23.00
SP-600-JX & J	ISSUE 7 1956	23.00
SP-600-JX	OP. INSTR.	23.00
SP-600-JX	SERVICE INSTR.	23.00
SP-600-JX	OVERHAUL	23.00
SP-600-JX-17	OP.	23.00
SP-600-JX-17	PREVENTIVE MANT.	23.00
SP-600-JX17	OVERHAUL INSTR.	23.00
SP-600-JX-17	SERVICE INSTR.	23.00
SP-600-JX-17	TECH. MAN. PARTS CATALOG	23.00
SP-600-JX-17 & JX-21	PREVENT. MAINT.	23.00
SP-600-JX-21	ILLSTRATED PARTS BREAKDOWN	23.00
SP-600-JX-21	SERVICE INSTR.	23.00
SP-600-JX-21	OVERHAUL INSTR.	23.00
SP-600-JX-21-A	ISSUE 1 DEC. 1969	23.00
SP-600-JX-VLF-31		23.00
SP-600 SUPPLEMENT	JX-J / 21-26	13.00
ENG. TECH. BULLETIN #107,	IMPROVING THE NOISE	
LEVEL OF SP-600 USING A	NUVISTAPLUG	10.00
PRO-310		25.00
XC-100 CALIBRATOR		10.00
I.F. NOISE IMMUNIZER		12.00
AN/URC-51		25.00
HFM-10		18.00
HPS-304		15.00
HFM-30		18.00
CSB-100TH		23.00
FM-5		20.00
FM-50 A		18.00
FM-60 A		18.00

ALSO HAVE MANY ADDENDAS AND UP-DATES FOR  
VARIOUS EQUIPMENT.....E-MAIL YOUR NEEDS

COMMING: A LISTING OF WHAT PART # 's WORK  
IN MORE THAN ONE HAMMARLUND UNIT !!  
ALSO COMMING: A CROSS REF OF "OLD # " TO  
"NEW # " (THERE WILL BE NO PART DESCRIPTION)  
ALL ABOVE FOR HAMMARLUND.....

Hammarlund....your ears on the World.....

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: michael.moore@24stex.com  
Subject: Heath VF-1 for sale  
Message-ID: <9508141233.0HMXJ00@24stex.com>

I haven't seen it but maybe some one would be interested in a for sale message on one of the local circuits:

For Sale: Heath VF-1 VFO \$15.00. Call James Burnett @916-649-3143.

All known and unknown disclaimers apply!

Mike..K6SQJ

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: SP600@aol.com  
Subject: HEATHKIT MANUAL  
Message-ID: <950814193241\_74475422@aol.com>

I am in need of a manual or photocopy of a heathkit grid dip model HD-1250. I tried the W7 and manuals plus with no luck. Can anyone help me out. Let me know the price!!

Many thanks,

Charlie N9SOR

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Joe\_Reda@3mail.3Com.COM  
Subject: hi-fi goes BA at KC6TXU  
Message-ID: <9508141819.AA2831@hqsmtp.ops.3com.com>

In the best traditions of Boatanchorism, I decided to convert my stereo system to as much tube-based equipment as possible. So I therefore acquired, over the weekend, a "The Fisher" 400 tuner/amp. What I wanna know is, is there a newsgroup or mailing list for the glass audio crowd? I'd like to try to locate a manual for the 400.

Thanks \\Joe KC6TXU

P. S. -- Hang on to those boob-based color TV sets. They can't put a V-chip in those!

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: RE: hi-fi goes BA at KC6TXU  
Message-ID: <Chameleon.950814142047.grant@nq5t.gtetel.com>

>

>

>P. S. -- Hang on to those boob-based color TV sets. They can't put a V-chip in  
>those!

Interestingly, during one of the (I think - there are so many) Sunday morning news discussion programs, there was a comment just to that effect -- that the advent of the V-chip may in fact increase the value of "older" TV's.

Big market among teeny-boppers I suppose who won't want to miss Red Shoe Diaries after dear old Dad decides its unsuitable for viewing on the family "V"-TV :-)

Grant/NQ5T

-----  
Name: Grant Youngman  
E-mail Primary: gyoungma@gtetel.com  
E-mail Secondary: us007699@interramp.com  
-----

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Joe\_Reda@3mail.3Com.COM  
Subject: RE: hi-fi goes BA at KC6TXU  
Message-ID: <9508142019.AA4920@hqsmtp.ops.3com.com>

Not to get off on a tangent and I promise I'll say no more about it,  
but I won't have a TV with a V-chip or any such nonsense in my house.  
IHMO, parents need to learn to use the on/off switch.

Is it time to start up alt.tv-sets.toob-based??

73, Joe KC6TXU

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: wlfuqu00@service1.uky.edu (Bill Fuqua)  
Subject: JR500S (mfg JRC?)info needed  
Message-ID: <199508141220.IAA11572@service1.uky.edu>

Just got a JR500S ham band only receiver at ham fest. It is a tube type  
receiver perhaps made in the 60's. Seems to work well,needs  
alignment,considering it looks like it had been stored in a damp basement.

I need a schematic and maybe specs on it. Can anyone help me out?  
Hope to use it with a simple cw transmitter to help some young novice operators  
get started doing something other than using their HT's.

73  
Bill  
ko4www

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Takashi Maeba <maeba@pas\_b.ti.kshosen.ac.jp>  
Subject: Re: JR500S (mfg JRC?)info needed  
Message-ID: <9508141239.AA20670@pas\_b.ti.kshosen.ac.jp>



> Just got a JR500S ham band only receiver at ham fest. It is a tube type  
> receiver perhaps made in the 60's. Seems to work well,needs  
> alignment,considering it looks like it had been stored in a damp basement.

It is a TRIO's(ex Kenwood) receiver, not JRC.  
Sorry I don't have the schematic now.

Takashi

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: Re: Need Cosmetic Restoration Tips  
Message-ID: <Pine.SUN.3.91.950814082806.15001A-100000@crl7.crl.com>

Hi, Dave.. have fun with the S-38. They made several models, S-38, then versions A, B, C, D and E. Circuits were very similar, but styles changed. Additional sets were made by Hallicrafters, but not under the S-series.

Anyway, on to your questions. To clean the knobs, I use Fantastic and a toothbrush. Regular soap and warm water work wonders, too. They can be safely cleaned with ammonia also, but be careful with the latter on other surfaces.

To get the shine back, I use "End Dust," a product that can be found in most grocery/drug stores. "End Dust" is also great for restoring plastic windows such as found on the S-38's.

To remove rust without destroying whatever is left of the paint, and especially on S-38C's (they have a thin hammertone-grey finish that is more fragile than other units), I have used "Lime Away." Be careful of it also, it is phosphoric acid. It works very slowly, but I used it on a disaster case as an experiment (think I used it in combination with regular salt) to recover a very rusty cabinet. To my delight, the project was a success! Rinse and wash down the cabinet very well afterward to remove any traces of the cleaner.

"End Dust" or "Liquid Gold" seem to be great on black wrinkle. Work it in with a toothbrush. Don't scrub, just apply the toothbrush vertically, working in small areas at a time, rubbing gently.

I'm assuming you have removed the knobs, and the cabinet from the radio before cleaning.

Soap and water is the first remedy for dirt. Fantastic and especially

ammonia are very powerful cleaners, but be careful, they will also destroy dials and can hurt old paint. Start slowly, the radios have been around for a long time, and they aren't going anywhere.

As a finish, Johnson's Pledge is a good soft wax. Car wax is good also, but not on black wrinkle. Apparently some waxes have silicates in them, I have been warned to avoid them.

Oh, by the way, you can bring the speakers in those units back... use a hobby knife to carefully remove the felt center in the speaker, then play it upside down (somewhat loudly) for a while.. the dirt will tend to fall out. I use a vacume cleaner hooked up backward (a Hoover Portapower is perfect!) as a air blower and toothbrush to clean dust out of speaker cones. Works quite well. Use corona-dope (used on model airplanes), get the non-shrink variety to repair any cracks or breaks in the speaker cone. If there are holes in the speaker cone, don't fret, find wrapping paper from a clothing store or use tissue paper (I also found fine paper at the hobby shop) and use to patch the speaker. I use "SIG Lite-Coat Clear Dope" applied with a toothpick to fix cracks and to hold the patch in place. I haven't had to replace a speaker yet.

Good luck. The radios are broad as a barn door, but have a great sound, and are perfect for tuning around International Broadcast stations. If you have one of the later units, S-38C, D, etc., make sure the converter and if tubes are in top condition. Tubes that have been played for a while tend to develop squeals and hetrodynes that are present in every received signal in those units.

One other item I have found. S-38's that have been around for a while will hum like a bandit when first turned on. (you should bring them up with a variac anyway)... but the electrolytics may not be bad! Leave them on for 15 minutes or so (watching all the time that they, or some other component doesn't fail), and you will likely find that the hum changes tone, then magically goes away! They apparently cure, then reform. I have had several sets recover themselves that way.

While on the subject, there was a .01 cap that has banded color stripes which is wired across the line (also in later units). If it hasn't exploded, it probably will. It is a good idea to replace it before you attempt to operate the radio. Also the wax capacitors inside will also be bad, and should be replaced as a matter of course. Whoops, that cap was either a .25mfd or a .05 mfd depending on model.

The backs can be reformed by moistening them, then pressing them under a flat surface under weight.

Well, hope that helps, and hope others have hints. There are a lot of them around, but they are a great basic radio. Some of them will even

pretend to receive sideband! But listen for AM. Hams are rediscovering the mellow sound of that modulation mode.

73 de Bill, AB6MT

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: HAMRLUND@aol.com  
Subject: Re: Need Cosmetic Restoration Tips  
Message-ID: <950814124007\_54295442@aol.com>

\*\*\*\*\*  
\*\*\*\*\*  
CONTACT: Robert Fowle.....Hamrlund@aol.com  
Ph.517-789-6721.....  
1215 Winifred....Jackson, Mich. 49202-1946  
| |  
---|---|---> the Hammarlund guy  
| |

\*\*\*\*\*  
\*\*\*\*\*

I find, that Murphys Household Cleaner, in the spray bottle workks wondrous, on everything from the chasis to knobs, again, use toothbrush, then use ( I use distilled) water in another spray bottle to rinse of the gunk. In areas where you can, use a soft clean cloth, too polish so to speak, and in most cases it leaves a nice shine...

Best of all it won't take off any silk screening !!

Robert

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Andy Wallace <wallace@mc.com>  
Subject: Re: Need Cosmetic Restoration Tips (S-38)  
Message-ID: <9508141136.AA11666@kali>

Well, Dave, I just shined up an S-38B which my brother gave to me last Christmas.

It's been recommended by the BA crowd that Dow (Scrubbing Bubbles) Bathroom Cleaner is good for scrubbing knobs and cabinets. So far I've used it on a couple of black-wrinkle cabinets and haven't noticed anything bad happening. Remove the knobs and use the Dow stuff with a toothbrush. Apply liberally....you'll see the gunk foam and turn brown with the dirt. Two or three scrubblings like that and they'll come out like new...and it didn't remove the painted index mark on mine either. (Rinse with running water between scrubs.) The knobs aren't really shiny; they have a sort of matte finish.

I used the same stuff on the cabinet, applied with paper towels. The dial glass is actually plastic. I didn't have any problems there, but you may want to be careful when using cleaners on plastic. Plain soap and water is safer. Anyway, the Dow stuff really cleaned up the cabinet on my S-38.

I followed that with another BA recommendation -- Scott's Liquid Gold (wood polish). This stuff, applied SPARINGLY, really brings out the shine of wrinkle finishes. Again, keep it away from the dial glass.

The dial scales themselves can be cleaned with a soft dry cloth. (You'll have to remove the cabinet.)

Radio Shack still sells dial cord, several feet plus three springs for 99c.

As for the cardboard, I have no suggestions there...

One last tip -- if you have small scratches, a Sanford Sharpie black marker does a good job of hiding them. Just dot along the scratch.

Good luck with the S-38. I too was surprised how well mine received on just a short wire.

73,  
--Andy  
wallace@mc.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: mirage!pamars@uhura.neoucom.EDU (P.A.Marshall)  
Subject: Re: Power Supply Parts  
Message-ID: <9508141139.AA05436@mirage>

If I have to buy a chunk of iron, the first place I look is Fair Radio.

You will find two pages of xformers and chokes at prices well under half of what AES charges. The phone is 1+419.223.2196 or 1+419.227.6573.

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org

As nightfall does not come at once, neither does oppression. In both instances, there is a twilight when everything remains seemingly unchanged. And it is in such twilight that we all must be most aware of change in the air--however slight--lest we become unwitting victims of the darkness.

Justice William O. Douglas

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: "Marcotte, T F (T)" <TFMA@chevron.com>  
Subject: PRC-47 Experience Anyone?  
Message-ID: <CPLAN030.TFMA.592423210095226FCPLAN030@ION.CHEVRON.COM>

From: Marcotte, T F (Tom)  
Subject: PRC-47 Experience Anyone?  
From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: "S. Miller" <smiller@motown.ge.com>  
Subject: R-390A AGC bias  
Message-ID: <199508141844.0AA20696@bear.MOTOWN.GE.COM>

Does anyone have some insight into the AGC setup on an R390A? A friend can't use the numbers in the manual. He tries to get -2.0 volts specified but cannot get less than -10 or 11 in fact it goes to around -15. I seem to remember a thread about this but I'll be damned if I can find it in my files.  
TIA  
Steve Kd2Ed

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: LBLASKE@aol.com  
Subject: Refinish Heath SB-301/SB-401 cabinet?  
Message-ID: <950814233118\_74708947@aol.com>

Hi,

This is my first posting on this list. I just bought my second Heath SB-301/401 pair for a great price. The electronics and front panels are in decent condition, but the cases are horribly chipped up. They cannot stay this way!!!

Does anyone know of a good (and preferably cheap) way to get these refinished with a finish similar to the light bluish green wrinkle finish they come with? Is there a source for paint? Is there anyone out there who

does this?

73's, Lee lblaske@aol.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: jeffrey@math.hawaii.edu (Jeffrey Herman)  
Subject: Save the bug!  
Message-ID: <9508140746.AA19832@kahuna.math.hawaii.edu>

>Bill opened up an old Vibroplex case and let me try out those ruby  
>bearings while he told of being shipwrecked and spending 15 hours in  
>the Pacific Ocean, clinging to an empty 5 gallon can and holding the  
>Vibroplex out of the water.

When you send code for a living your bug becomes a part of you, just  
like your sending hand. I am not at all surprised that this fellow  
held his bug in such high regard that he would not let it go down  
with the ship.

I'm sure this is one of the reasons Mitch took over the Vibroplex  
company - he knows how \*very\* special that company's product is to  
us 'code men'.

Jeff NH6IL (ex Coastie code op)

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Re: Save the bug!  
Message-ID: <9508141921.AA17160@speckle.ncsl.nist.gov>

>  
>>Bill opened up an old Vibroplex case and let me try out those ruby  
>>bearings  
..  
>  
>I'm sure this is one of the reasons Mitch took over the Vibroplex  
>company - he knows how \*very\* special that company's product is to  
>us 'code men'.

And recently he asked for comments or suggestions: so here's a question:

Were they really RUBY?

The bearings, I mean. On the Original Deluxe that I have the bearings are  
steel, and on the top of the arch there is a red plastic thingey stuck into

the hole carrying the threaded steel bearing rod.

If Tom Pererra is at Gaithersburg, I'll look very closely at some old ones.

Over the weekend, I polished up a mostly-brass J-38. Some Brasso on a wooden tooth-pick made those bearing holes SHINE!

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
---

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Steven Wilson <randyw@crl.com>  
Subject: Re: Save the bug!  
Message-ID: <Pine.SUN.3.91.950814123949.23738A-1000000@crl113.crl.com>

I think the bearing are Sapphire. I took my bug to a jeweler many years ago and asked. I thought they were Ruby, but I am seem to remember he said they were better than Ruby, they were Sapphire.  
de stan ak0b

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: Bill.Cohn@f410.n115.z144.safnet.org (Bill Cohn)  
Subject: Re: SB-500  
Message-ID: <0b0\_9508142259@chigate.fidonet.org>

W>SB500 info deleted...

W>Hi Bill - that makes 3 of us on the boatanchors list! Maybe we should start  
W>a club (it's probably a significant percantage of the ones made :-)

W>About your SB110 - I've never seen one. Do you find it works well with your  
W>500? I still have the 6 mtr interface parts.

W>THANKS!

W> ===== Round Up the Usual Disclaimers! =====

W> Bob Wier, keeper of the Photo-3D, Icom radio (WB5KXH),

Bob,

I never had the SB500 interfaced to my SB102 so I have no way to compare it with the SB110 interface. It works fine and the SB110 has been good during the 6 meter openings this summer.

73 de N9MHT Bill

---

\* OLXWin 1.00a \* Ham Radio is warm with tubes

---

\* OLXWin 1.00a \* Proofread carefully to see if you any words out.

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995

From: Nick England <nick@cs.unc.edu>

Subject: Shelby get-together??

Message-ID: <199508142022.QAA13599@altair.cs.unc.edu>

Any boatanchorites interested in a get-together ? How about Friday night ?

Nick KD4CPL

black Porsche 944 turbo with HEATHKIT license tag

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995

From: Duncan Cadd <dcadd@luc.ac.be>

Subject: Re: simple tube keyers etc

Message-ID: <9508140726.AA27885@alpha.luc.ac.be>

Greetings, Anchorites, from a warm and sunny Diepenbeek in N.E. Belgium!

Grant Youngman wrote, concerning keyers:

[lots of snipping]

> From: Grant Youngman <gyoungma@gtetel.com>

> There was recently a brief discussion about vacuum tube electronic keyers.

>

> Montgomery, " 'Corkey' -- A Tubeless Automatic Key", QST, Dec. 1950 (This one

> rings a bell from my youth, but I don't have the QST issue, and don't

> recollect any details)



The name "Corkey" rings a bell! I have one of my Father's old ARRL manuals, it's a 195? issue of 'Hints and Kinks' and I'm sure Corkey is in there. As I recall, it's relay-based and uses RC time constants for the actuating side of things. I'll look it up when I get back home this evening and let you know sometime later this week. There may also be other keyers in that book, if so, I'll pass on the details.

73,

Duncan ON9CHU / G0UTY G-QRP 8117

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Steve Ellington <n4lq@iglou.com>  
Subject: RE: SP600Jx is a 21  
Message-ID: <Pine.SOL.3.91.950814143412.579A-1000000@iglou.iglou.com>

Sorry. I forgot to put the 21 at the end.  
This is an SP600 JX21 that is for sale.

Steve  
n4lq@iglou.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Michael Sullivan <msullivan@cayman.vf.mmc.com>  
Subject: SR2000 Help needed  
Message-ID: <9508141000.AA55681@msullivan>

Halicrafters SR2000 help nleeded to resolve problems with receiver agc system that appears to have a dead band (i.e. operates full gain until a very strong signal received than agc sets in) and an intermittant tone oscillator used for tune up. Also need power switch that mounts on the end of wafer switch.  
Thanks  
Mike kc2kj

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Michael Sullivan <msullivan@cayman.vf.mmc.com>

Subject: SR2000 woes.....

Message-ID: <9508141000.AA53536@msullivan>

I need some help for my Halicrafter SR2000 transceiver.....

1. The receiver agc does not work properly. The s-meter does not move until a very strong signal is received and then can go all the way to 20 or 40 over 9. There appears to be a dead-band effect on the agc curve. I have not been able to get any clues from voltage readings or tube substitutions as to where the problem exists...

2. The tone oscillator for tune-up is intermittant. Sometimes she works... more often she doesn't.

3. I need the ac power switch that mounts on the wafer switch for on/off. I got the unit with the switch missing and the power leads shorted together.

4. Other wise the rig works nice...

Mike kc2kj

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995

From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>

Subject: Technical vs. Non-Technical Posts

Message-ID: <9508142028.aa02511@jackatak.theporch.com>

Gang-

> ...though some were privately posted to me due to fear of being  
> flamed for "non-technical posts" to the list. Ah, well...

Technical or Non-Technical, \*ANY\* post that is relevent to BoatAnchors and Firebottles is fair game. There are only a few prohibitions, and they are:

ARRL Bulletins (another list exists with official posts, and we have no way to corroborate and validate those sent here, so we don't do it.)

CODE/NO CODE (This debate exists elsewhere, and is in no way relevent to our discussions of firebottle rigs... \*ALL\* one needs to be a full-fledged Firebottle fanatic is a strong interest in the subject...)

FLAMES of any kind. There is simply no place here for personal attacks.

This thread has been interesting, not only for the close brushes so many of us experienced and survived, but, as several folks have pointed out, for the safety warnings and cautions that ought to be part of the basic lore: THESE RIGS HAVE LETHAL VOLTAGES THAT CAN KILL A CARELESS PERSON!

Be careful and enjoy our expression of the hobby. I don't want any "accidents" reducing the subscriber list, ya'll are like family: maybe a bit contentious at times, but family nonetheless... ;^)

And, no... I do NOT want your Bud Lite! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)  
- - - BoatAnchor Mailing List Archiver/Owner - - -  
firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: bill@texan.frco.com (William Hawkins)  
Subject: The best watchband ...  
Message-ID: <9508141756.AA21464@texan.frco.com>

.. is no watchband. As you just heard, conductive ones can cause bad burns if they get across enough energy. I've got a 40 year old scar from a blob of solder that got between my wrist and a leather watch band. Of course, today's irons may not be able to melt that much solder to do any damage. :-)

Bill Hawkins bill@bvc.frco.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: ejz@nosc.mil (Edward J. Zeranski)  
Subject: Re: The best watchband ...  
Message-ID: <9508141836.AA19196@manta.nosc.mil>

>.. is no watchband. As you just heard, conductive ones can cause  
>bad burns if they get across enough energy. I've got a 40 year old  
>scar from a blob of solder that got between my wrist and a leather  
>watch band. Of course, today's irons may not be able to melt that  
>much solder to do any damage. :-)

>

>Bill Hawkins bill@bvc.frco.com

>

> No rings, no watches, no jewelry at all!! A co-worker got zapped through his St. Christopher medal by a magnetron on one of our test beds. That was over 25 years ago but I still remember his flight across the shop and the blister on the back of his neck! Another fellow had nasty wrist scar from a watch band arc welding itself to a battery source. My zaps were learning experience too but didnt involve metal rings or watches, besides, those big magnets even killed pocket watches.

Ed Zeranski ejz@marlin.nosc.mil, work

ezeran@powergrid.electriciti.com, home  
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: The best watchband ...  
Message-ID: <Pine.SOL.3.91.950814152704.18365C-100000@clark.net>

On Mon, 14 Aug 1995, William Hawkins wrote:

> .. is no watchband. As you just heard, conductive ones can cause  
> bad burns if they get across enough energy. I've got a 40 year old  
> scar from a blob of solder that got between my wrist and a leather  
> watch band.

In all the shop courses I took in school, they had us remove watches and rings. As a reminder, one of the instructors had a photo of a finger that had been ripped off by some machine tool, with the ring still on it. (I don't know where he got it and I didn't ask!)

When it comes to safety, I try to remember to take the conservative approach. Even then I get zapped with something or other. Murphy's Laws most certainly apply to safety.

Remember the filler they used to use in QST that has the picture of the power box and the caption "Switch to Safety"? I haven't noticed it in quite a while.

73,  
Tony  
K4KY0

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Bill VanAlstyne <bill@cruz.com>  
Subject: Re: The best watchband ...  
Message-ID: <199508141952.AA11912@cruz.com>

At 02:33 PM 8/14/95 -0500, Tony Stalls (K4KY0) wrote:

>In all the shop courses I took in school, they had us remove watches and  
>rings. As a reminder, one of the instructors had a photo of a finger  
>that had been ripped off by some machine tool, with the ring still on  
>it. (I don't know where he got it and I didn't ask!)

I'm really glad some good, positive safety admonishments are coming out of  
all the response and reminiscence generated by the "ker-ZAP" thread and its  
descendents... From now on, \*I'm\* going to place myself among the "watch-  
and ring-removers" before doing any more power-on work on BAs! An excellent  
idea.

I \*have\* enjoyed all the stories, too, though some were privately posted to  
me due to fear of being flamed for "non-technical posts" to the list. Ah,  
well...

Bill VanAlstyne  
N6FN  
bill@cruz.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Bill Standerfer <bills@hpslwes.lvld.hp.com>  
Subject: Re: The best watchband ...  
Message-ID: <199508141953.AA039670027@relay.hp.com>

Tony, K4KY0 wrote:

>In all the shop courses I took in school, they had us remove watches and  
>rings. As a reminder, one of the instructors had a photo of a finger  
>that had been ripped off by some machine tool, with the ring still on  
>it. (I don't know where he got it and I didn't ask!)

Same was true when I was in Precision Measurements in the Air Force. \*All\*  
jewelry was removed as well as wire rimmed glasses. It is not just the 800  
volt supplies, either. Getting your ring or watch across a high current 12 or  
24 volt buss could cause the loss of digits. Then you'll have to take up  
counting in base 9... Or less. :-}

Bill

Bill Standerfer	*	Hewlett-Packard Company
CFI-A, IA, ME	*	Measurement Systems Division
bills@lvld.hp.com	*	Loveland, CO 80539
Baron N222AB - KF0DJ - Pikes Peak 253	*	970-679-2378

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: k1zat@bah.com

Subject: Re: The best watchband ...

Message-ID: <Pine.SUN.3.91.950814203355.17939A@booz.bah.com>

Safety Gang --

On Mon, 14 Aug 1995, Tony Stalls (K4KY0) wrote:

> In all the shop courses I took in school, they had us remove watches and  
> rings.

If I'm not mistaken, they is a OSHA requirement and is heavily enforced  
in the government maintenance shops.

> As a reminder, one of the instructors had a photo of a finger  
> that had been ripped off by some machine tool, with the ring still on

Aint fiction! My dad was missing half a finger on his left hand  
that had been caught in a machine when he worked in a fabrics  
factory, one that bleached the fabrics. Got caught in a belt  
drive.

Whats even more graphic is the pictures, stills and motion, that  
we used to see in the military about wearing jewelary. Like the  
fellow that had a wedding band on while working on a 10 KW transmitter;  
he didnt have to worry about wearing a wedding band any longer.

> When it comes to safety, I try to remember to take the conservative  
> approach. Even then I get zapped with something or other. Murphy's Laws  
> most certainly apply to safety.

Safety first always! so your XYL might get bent out of shape if you  
take your wedding band off to work on machinery or electronics. Would  
she rather have that band sitting on the mantel and you in the pine box?  
Remove ALL jewelary when working on things.

jd

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995

From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>

Subject: Re: The best watchband ...

Message-ID: <9508142019.aa02430@jackatak.theporch.com>

> Same was true when I was in Precision Measurements in the Air Force. \*All\*  
> jewelry was removed as well as wire rimmed glasses.  
Geeez, and I thought they were just anti-hippie. ;^)

> Getting your ring or watch across a high current 12 or  
> 24 volt buss could cause the loss of digits. Then you'll have to take up

> counting in base 9... Or less. :-}  
No wonder I got good at octal! ;^)

The RF burn from the antenna was my first, but the BIG Jolt came from a 2000V supply for a "killer" amp I was working on. Not sure how, but even with one-hand cautions, I shunted the B+ on that beast threw my elbow to ground.

Knocked me clear across the room and THREW the sheetrock wall! I woke up about when Sandy (faithful, and nervous, xyl) showed up to find out which of the miscreants in the basement had fired the shotgun!

I have a real deep understanding of grace and good luck! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebotl@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995

From: wier@bobcat.etsu.edu (Bob Wier)

Subject: Re: The ker-ZAPS! of youth [w...

Message-ID: <199508141115.AA17886@ns-1.csn.net>

|it is, the more likely it is to be the case. Please people, BE CAREFUL!

|

|73's

|KIM

Yes - I find it difficult sometimes to get into the right mindset on BA's after having dealt with -12, 5, 12 volt power supplies at work in computer equipment where it doesn't really matter if you make a mistake and put your hand on the power buss (as long as your not standing in a pool or water). About the only thing I have to tell my hardware students is 1. Never fool around INSIDE a switching power supply, and watch out for the incoming AC line, and 2. Watch out for splattering metal from melting screwdrivers if you ever drop one across a really big 12 v supply in a computer cabinet.

It's QUITE different when you are dealing with 800v@100 mils...and sometimes, you only get one mistake...

73 de WB5KXh

===== Round Up the Usual Disclaimers! =====

Bob Wier, keeper of the Photo-3D, Icom radio (WB5KXH),  
Overland Trails, and Motorola HC11 mailing lists  
wier@bobcat.etsu.edu

currently in Ouray, Co at 8,000 ft. elevation  
(this is a \*high level\* system :-)

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Re: The ker-ZAPS! of youth [w...  
Message-ID: <9508141924.AA17209@speckle.ncsl.nist.gov>

> Bob Wier wrote:  
>  
>It's QUITE different when you are dealing with 800v@100 mils...and  
sometimes, you  
>only get one mistake...

Inscribed over the schedule board at Navy Flight School was:

"Flying is not inherently dangerous. But, like the sea, it is unforgiving  
of human error."

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
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From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: jproc@worldlinux.com  
Subject: Re: The ker-ZAPS! of youth [w...  
Message-ID: <Chameleon.4.01.2.950814134421.jproc@>

>  
>Yes - I find it difficult sometimes to get into the right mindset on BA's  
after  
>having dealt with -12, 5, 12 volt power supplies at work in computer  
equipment  
>where it doesn't really matter if you make a mistake and put your hand on



the  
>power buss

Bob,

I can assure you that it can matter especially if you are wearing a ring. One day, years ago, I was working on a 12V NiCad battery pack which consisted of a number of D size cells wired in series. The battery pack was discharged, or at least I thought it was. After cutting all the wires and standing the cells on-end and not paying much attention, I inadvertently contacted the positive and negative terminals of a SINGLE cell with my gold wedding ring. Its unbelievable that a discharged(?) NiCad cell could heat up this mass of metal to a very high temperature in less than a second. I didn't get injured, but it certainly made me realize that low voltage, high current power sources although not deadly, have the potential to cause bodily harm.

Accidently shorting a low voltage high current power source with a screwdriver can develop such a powerful spark (with accompanying decibel level) as to startle the person and cause an involuntary reflex action which can start a chain reaction into something more serious.

Regards,

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Jerry Proc, VE3FAB  
Radio Restoration Volunteer  
HMCS Haida  
E-mail: jproc@worldlinx.com  
Toronto, Ontario  
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From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: Jim Durham <durham@w2xo.pgh.pa.us>  
Subject: Re: The ker-ZAPS! of youth [was: RE:Favorite Tube]  
Message-ID: <Pine.BSF.3.91.950814011559.182A-1000000@w2xo.pgh.pa.us>

On Sat, 12 Aug 1995, Bill VanAlstyne wrote:

> At 08:07 PM 8/12/95 -0500, Jim Durham wrote: > > >...One day..time for  
the big test.. put the 220 on the transformer. > >Hit the plate switch...  
> > > >KA>>>>BLAMMMMMMMMM! All the lights go out.. sound of  
KLUMP..KLUMP..KLUMP.. > >my 54 year old father took the stairs in 3 leaps!  
He thought I was > >DEAD for sure. I thought so too for a moment, but,  
other than ringing > >ears, I looked better than he did ! KIDS! > >  
Indeed! > > I think I was about the same age when, having tuning troubles  
with my > homebrew HF transmitter and in a hurry not to miss a sked, I

violated the > CARDINAL RULE OF RADIO... I was holding the chassis upright with one hand > and poking around in it with the other, when I grabbed something I didn't > \*think\* was hot, but which was in fact the 800VDC B+, capable of supplying > somewhere around half an amp... > > grinned and said something lame about being clumsy and dropping the rig on > my foot... Everything is fine, really. You know how I over-react to stuff... > They left shaking their heads. Then I sat down to catch my breath and wonder > how close I had just come to buying it. Thank heavens it wasn't a 2KW linear! > > Well, I've been pretty respectful around HV ever since

Bill, it gives me the creeps just thinking about it. Whew....!

-Jim, W2X0

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: "nuusers" <NUHOSE@befac.indstate.edu>  
Subject: TMC's RFC-1 amp  
Message-ID: <18F9A37F7B6F@befac.indstate.edu>

Hello Gang,  
Had a very pleasant surprise this evening....when I arrived home I found a 2-28 mhz rf amp on the porch...its made by TMC and the tag on the chassis says it is a RFC-1. The final (as it has a driver to a 6146) is a PL-172 (PL-8295)...it looks like the unit was once part of a large transmitter...I have had some experience with TMC transmitters and know how they like doing things in sections. My guess is that there is a rf exciter that feeds this unit which in turns feeds a high power amp...this unit (RFC-1) has a final plate current meter that maxes at 750 mils...

Can anyone supply a schematic of the unit (RFC-1) and tube info for the PL-172...anyone ever used this or converted this model to a linear. I suspect the unit came from a friend that was active in CB radio but can not get him on the lima-lima (land-line). Tnx in advance....

73,  
Steve KD1DT  
AMSAT LM-357  
ARRL LM  
RSGB  
RSARS

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: "Rhett T. George" <rtg@ee.duke.edu>

Subject: Toobs in TV's  
Message-ID: <199508142025.QAA16419@ee.duke.edu>

- Greetings -

The flurry of comments on toobed TV's this afternoon reminded me that there is a hybrid Zenith sitting in my shed - color CRT (23" perhaps) four compactrons, and lots of lil' things with sandy innards. Still complete, power supply works, but fuses were blown. Anyone want it?

Real value is such that it is practical only for pickup in the Durham, NC, area.

73 Rhett George - KE4HIH

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: don merz <71333.144@compuserve.com>  
Subject: Trivial Answers  
Message-ID: <950814133356\_71333.144\_DHQ34-10@CompuServe.COM>

Answers to "B.A. Trivia Just For Fun"

1. The radios that became the military "Command Sets" were designed in 1935 by Aircraft Radio Corporation employees Paul Drake and Paul Farnham.
2. The first "Command Set" design proposed to the military was the Type K.
3. The U.S. military adopted the "command set" radios in a series of nomenclature designations. The five designations used for WWII and prior manufactured sets were RAT, RAV, ARA/ATA, SCR-274N and AN/ARC-5.
4. The unit of measurement we now call the decibel had two earlier names (primarily stemming from the unit's usage in wire line systems--telephone and telegraph). The decibel was called the "Transmission Unit" or "TU" very briefly in the 1920s. Prior to that it had also been called the "MSC" which stood for "Miles of Standard Cable."

Bobbi Barmore provided some additional detail: Phone Co. folks had the "800 Cycle Mile" (loss in one mile of cable measured with an 800cps tone), which led to the "Transmission Unit," or T.U. Seem to recall this worked out very close to an even and handy number of deciBels, like maybe 1. The T.U. is also directly ancestral to the Vu of radio broadcast and sound recording and reinforcement purposes, despite being defined in dB; while the ballistics of TU meters weren't very well-defined (many were half-wave!), it was close enough and the studio knob-twirlers just barely noticed when their TU meters became Vu meters. :) ...If you've seen the gear they were operating before WECO really looked at what the job took, followed very closely by Collins and RCA, you know why, too--it was an

amazingly awkward outgrowth of the telephone switchboard, and took up at least two racks less power supplies.

5. The first transmitter specifically sold for commercial AM broadcasting was made by Western Electric Corporation in 1922. It was the model 1A and belted out a whopping 500 watts on 600 meters.

Thanks for all the responses.  
73, Don

From boatanchors@theporch.com Mon Aug 14 16:43:00 1995  
From: wlfuqu00@service1.uky.edu (Bill Fuqua)  
Subject: VOX-5 schematic needed  
Message-ID: <199508141701.NAA00286@service1.uky.edu>

I need a schematic for a VOX-5 Variable master oscillator. It has a vfo with a multipliers to produce 2-64 MHz and with an oven to stabilize the oscillator.

It also has other oscillators in it. A schematic would be very useful in getting it fixed up.

73  
Bill  
ko4ww

From boatanchors@theporch.com Tue Aug 15 02:21:00 1995  
From: SOUNDNMIND@aol.com  
Subject: WT audio,hifi  
Message-ID: <950814220240\_54694430@aol.com>

Hi all As you all know I'm the new guy on the block. I fix, collect and sell communication gear of all sorts,especially Drake.  
I am also looking for theater audio equipment like Altec, RCA, McIntosh, Western Electric and even Dynaco and Fisher gear. So let me know what you have and mabe we can get together and do some trading.

I usually only check e-mail evening/night  
Dee, W4PNT (540) 949-8300 voice mail (I'll get back with you)  
Waynesboro, Va.  
soundnmind@aol.com